

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P198010

Luminaire Tested: **TT-C6-LED-E1-RW-PM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-RW-PM
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9969.4 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

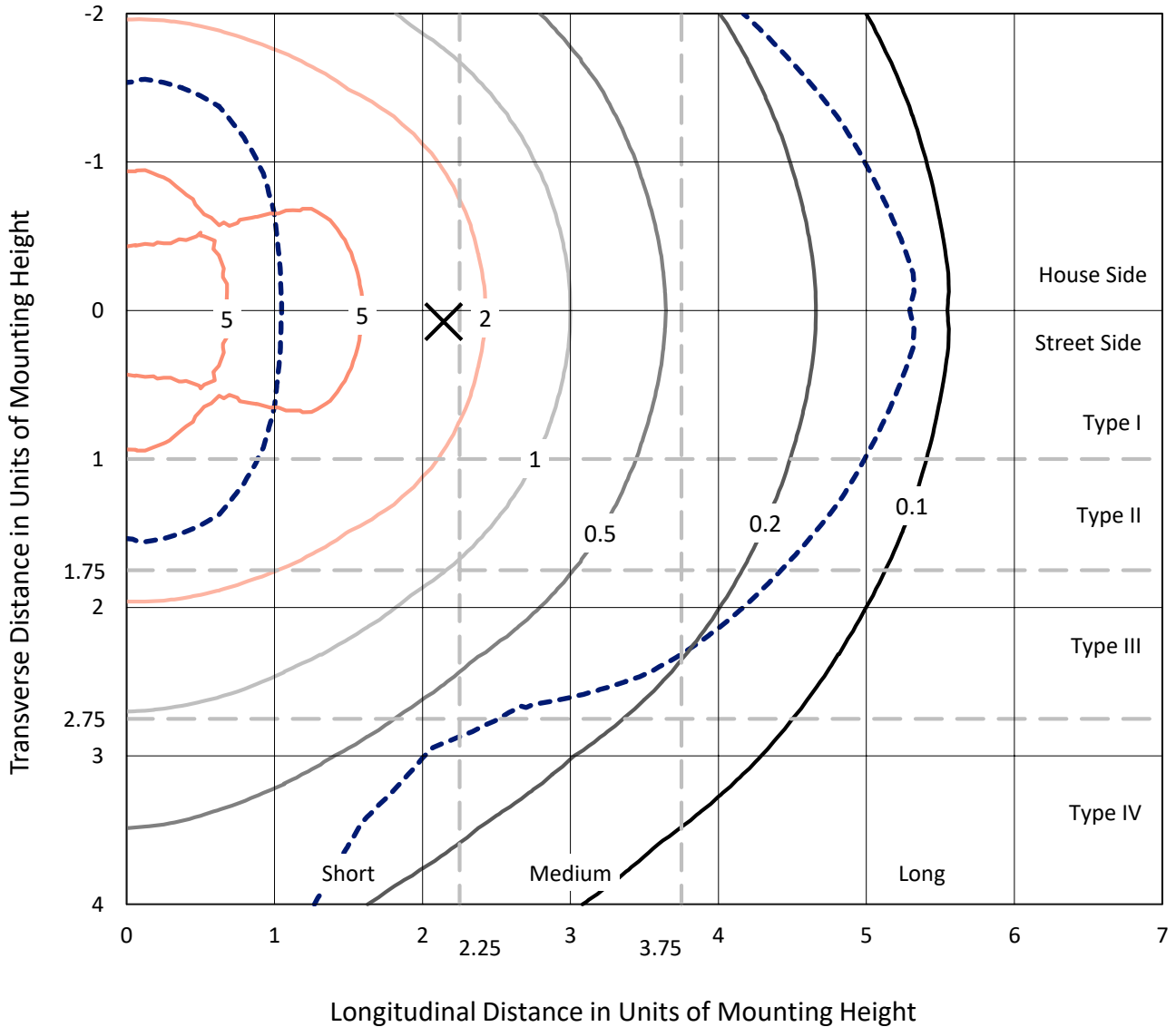
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

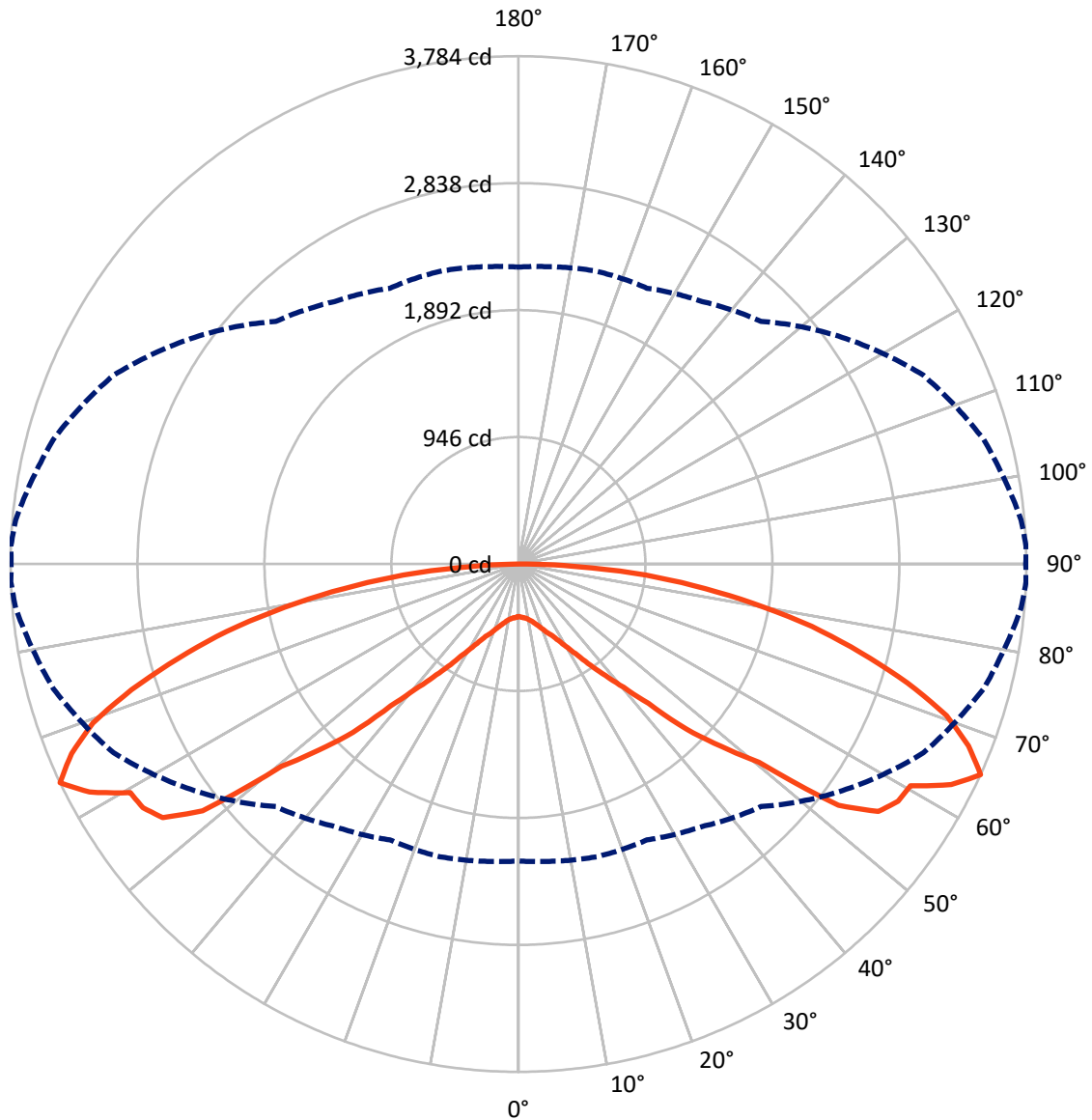
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 88-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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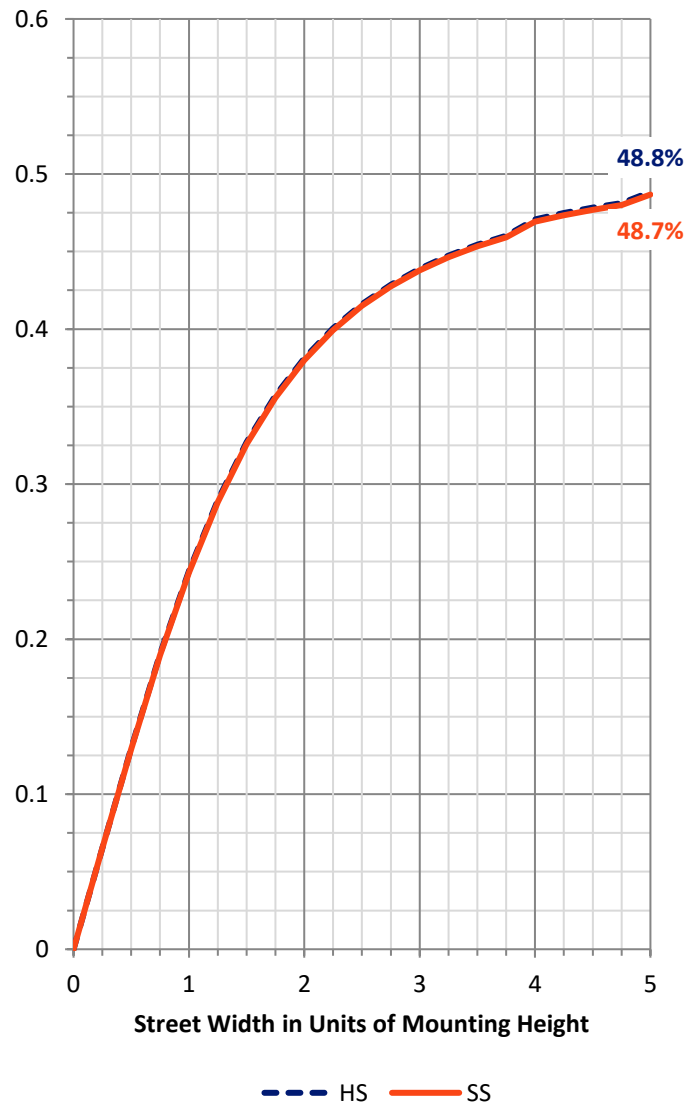
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4984.7	0.0	4984.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4984.7	0.0	4984.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9969.4	0.0	9969.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	0.4
10°-20°	135.8	1.4
20°-30°	299.8	3.0
30°-40°	597.5	6.0
40°-50°	1143.7	11.5
50°-60°	2047.0	20.5
60°-70°	2712.5	27.2
70°-80°	2263.7	22.7
80°-90°	730.4	7.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9969.4	100.0
0°-180°	9969.4	100.0



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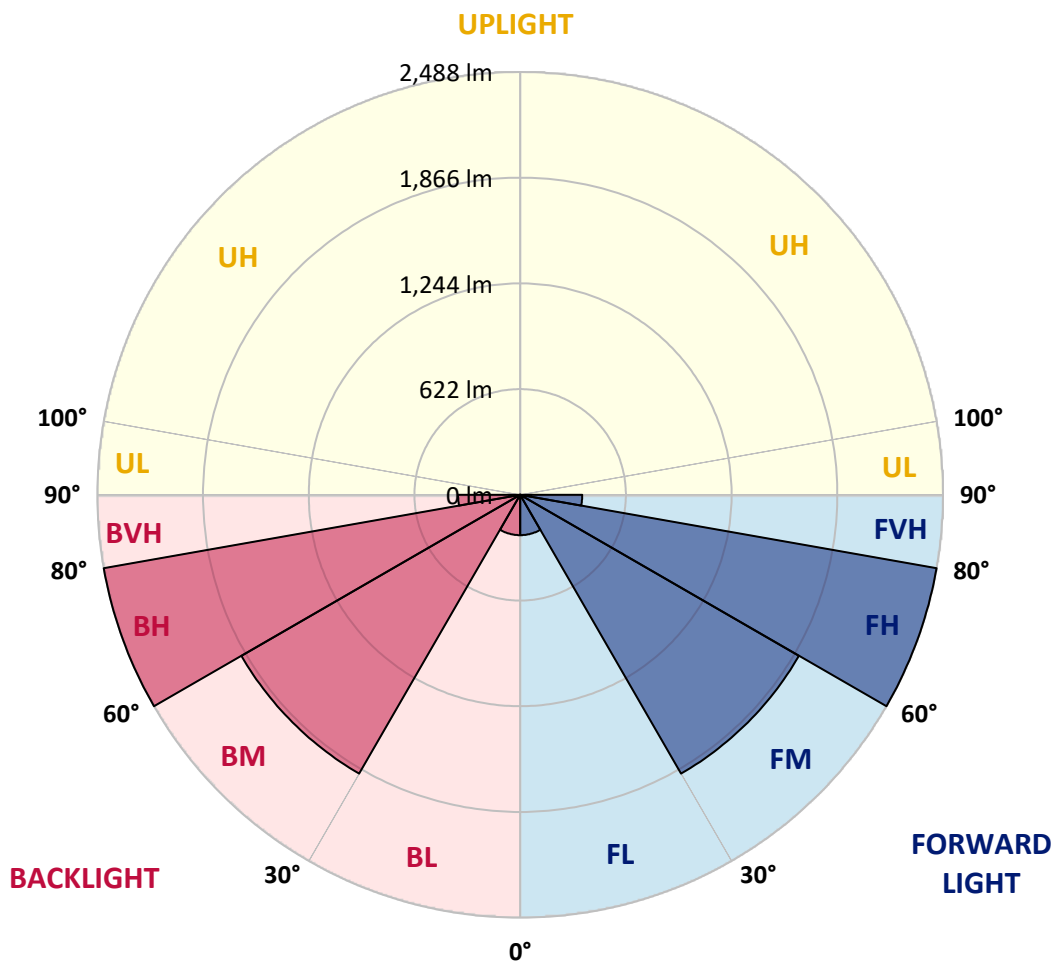
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.3	2.4			
FM (30°-60°)	1894.1	19.0			
FH (60°-80°)	2488.1	25.0			G2/5000
FVH (80°-90°)	365.2	3.7			G3/500
BL (0°-30°)	237.3	2.4	B1/500		
BM (30°-60°)	1894.1	19.0	B2/2500		
BH (60°-80°)	2488.1	25.0	B3/2500		G3/2500
BVH (80°-90°)	365.2	3.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4
2.5°	394.3	394.3	394.3	394.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3
5°	400.2	400.2	402.1	402.1	404.1	404.1	404.1	404.1	402.1	402.1	402.1
7.5°	410.0	411.9	413.9	413.9	413.9	411.9	410.0	410.0	408.0	408.0	408.0
10°	427.6	427.6	429.6	429.6	427.6	425.7	423.7	421.8	421.8	421.8	419.8
12.5°	449.2	449.2	451.2	449.2	445.3	443.3	439.4	437.4	437.4	435.5	435.5
15°	478.6	482.6	482.6	476.7	470.8	464.9	462.9	459.0	459.0	459.0	459.0
17.5°	523.8	521.8	513.9	508.1	504.1	494.3	490.4	488.4	484.5	484.5	484.5
20°	574.8	570.8	561.0	553.2	545.3	533.6	525.7	521.8	519.8	517.9	517.9
22.5°	631.6	625.8	612.0	606.1	590.5	578.7	568.9	561.0	555.1	553.2	557.1
25°	690.5	690.5	678.7	663.0	647.3	629.7	616.0	606.1	598.3	596.3	594.4
27.5°	753.3	757.2	741.5	725.8	708.2	684.6	670.9	657.1	655.2	653.2	651.3
30°	820.0	827.8	812.1	796.4	772.9	749.3	731.7	725.8	719.9	723.8	723.8
32.5°	902.4	906.3	888.6	876.9	845.5	821.9	806.2	802.3	804.3	802.3	808.2
35°	998.5	992.6	978.9	955.3	927.9	906.3	894.5	902.4	923.9	931.8	927.9
37.5°	1104.4	1082.8	1075.0	1045.6	1020.1	1002.4	1006.3	1025.9	1043.6	1057.3	1053.4
40°	1182.9	1186.8	1165.2	1137.7	1114.2	1110.3	1131.9	1157.4	1190.7	1202.5	1206.4
42.5°	1263.3	1286.8	1261.3	1233.9	1222.1	1229.9	1261.3	1312.3	1386.9	1426.1	1420.2
45°	1355.5	1381.0	1353.5	1331.9	1330.0	1359.4	1428.1	1561.5	1671.3	1749.8	1757.6
47.5°	1451.6	1471.2	1445.7	1432.0	1451.6	1508.5	1626.2	1804.7	1922.4	2014.6	2030.3
50°	1573.2	1565.4	1545.8	1543.8	1587.0	1690.9	1849.8	2030.3	2242.1	2303.0	2322.6
52.5°	1692.9	1663.5	1659.5	1669.4	1745.9	1863.6	2075.4	2430.5	2742.4	2962.1	2985.6
55°	1804.7	1771.4	1779.2	1804.7	1912.6	2091.1	2385.3	2818.9	3091.5	3246.5	3254.4
57.5°	1906.7	1887.1	1904.7	1940.1	2100.9	2330.4	2642.3	2999.3	3205.3	3315.2	3334.8
60°	2010.7	2006.8	2028.3	2093.1	2265.7	2469.7	2730.6	3046.4	3252.4	3336.7	3356.4
62.5°	2108.8	2122.5	2150.0	2212.7	2346.1	2505.0	2758.1	3144.5	3452.5	3585.9	3619.2
65°	2212.7	2224.5	2257.8	2267.6	2387.3	2556.0	2944.4	3328.9	3587.8	3760.5	3784.0
67.5°	2306.9	2322.6	2310.8	2303.0	2406.9	2556.0	2907.1	3244.5	3460.3	3591.8	3617.3
70°	2397.1	2379.5	2332.4	2271.6	2301.0	2403.0	2724.7	3017.0	3234.7	3358.3	3383.8
72.5°	2420.7	2397.1	2271.6	2132.3	2089.1	2165.6	2461.9	2720.8	2899.3	3015.0	3030.7
75°	2359.8	2310.8	2098.9	1906.7	1824.3	1900.8	2148.0	2369.7	2495.2	2620.7	2630.6
77.5°	2116.6	2085.2	1849.8	1616.4	1524.2	1581.1	1787.0	1944.0	2089.1	2210.8	2234.3
80°	1738.0	1710.5	1502.6	1312.3	1188.8	1228.0	1379.0	1504.6	1643.8	1740.0	1769.4
82.5°	1279.0	1275.1	1126.0	947.5	861.2	857.2	971.0	1094.6	1200.5	1292.7	1312.3
85°	804.3	804.3	702.3	594.4	504.1	506.1	574.8	665.0	798.4	857.2	863.1
87.5°	272.7	258.9	241.3	196.2	156.9	141.2	151.0	172.6	262.9	325.6	337.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°
0°	390.4
2.5°	396.3
5°	402.1
7.5°	408.0
10°	419.8
12.5°	437.4
15°	457.1
17.5°	484.5
20°	517.9
22.5°	555.1
25°	594.4
27.5°	653.2
30°	721.9
32.5°	806.2
35°	929.8
37.5°	1057.3
40°	1216.2
42.5°	1435.9
45°	1738.0
47.5°	2030.3
50°	2301.0
52.5°	2936.6
55°	3262.2
57.5°	3332.8
60°	3350.5
62.5°	3601.6
65°	3780.1
67.5°	3615.3
70°	3377.9
72.5°	3019.0
75°	2646.2
77.5°	2234.3
80°	1745.9
82.5°	1312.3
85°	849.4
87.5°	327.6
90°	0.0

(END OF REPORT)